

Notice of Allowability

Application No.

09/776,715

Examiner

Quang N Nguyen

Applicant(s)

STEINDL, GUENTER

Art Unit

2141

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Amendment filed on 09/20/2004.
2. ☒ The allowed claim(s) is/are 1 and 3-13.
3. ☒ The drawings filed on 06 February 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>09/20/04</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Examiner's Amendment

1. An Examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment maybe filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Pursuant to MPEP 606.01, the title has been changed to read:

-- METHOD AND SYSTEM FOR ACTIVE PUBLISHING USING A SLAVE ASSIGNED TO A MASTER SYSTEM TO DETECT, EVALUATE AND MAKE THE MESSAGE AVAILABLE TO AN APPLICATION ASSOCIATED WITH THE SLAVE --

3. The following is an examiner's statement of reasons for allowance:

In interpreting the claims, in light of the specification and the applicant's arguments filed on 09/20/2004, the Examiner finds the claimed invention to be patentably distinct from the prior art of record.

Ruckley al. (US 6,360,277), teach PROFIBUS specifying the technical and functional characteristics of a serial Fieldbus (*master/slave*) system with which decentralized digital controllers can be networked together from the field level to the cell lever, wherein a Master (*active station*) can send messages without an external request and a Slave (*passive station*) can only acknowledge received messages or send messages to the master when requested to do so (**Ruckley**, C3: L45-61).

Kalkunte et al. (US 5,351,243), teach a method and system for monitoring packets on a communications network, wherein a packet is detected traveling on communications pathway 110 by adapter 132 and based on the addressing information in the packet, adapter 132 determines whether or not host computer 130 should receive the packet (**Kalkunte**, Fig. 2 and C3: L47-64).

However, the prior art of record fails to teach or suggest individually or in combination that a communication method and system for use with a decentralized bus system to which a plurality of communication participants are connected, including a first master assigned to a first master system, and a second master and a slave assigned to a second master system, the second master system being associated with at least one application and being provided with filter table containing data entries, comprising: forming a message having a header and message data, including providing data entries in the header which correspond to data entries in the filter table; transmitting the message from the first master over the bus system; detecting the message in the second master system; evaluating at least some of the header data, in the second master system, including comparing the header data entries with the data entries of the filter table; and making the message data available to the application, when the header data entries match the data entries of the filter table, wherein the application is associated with the slave and the filter table is provided for the slave, and wherein said detecting, evaluating, and making steps are performed by the slave as set forth in independent claims 1 and 6-7. Claims 1 and 3-13 are allowed because of the combination of other limitations and the limitation listed above.

The examiner finds the Applicant's arguments on pages 10-11 of the Remarks filed on 09/20/2004 to be persuasive. The applicant argued in substance that the combination of prior art of records fail to disclose the features of the invention including the possibility of communication from a first master system to a slave of a second master system and detecting, evaluating then making the message data available to the application, when the header data entries match the data entries of the filter table, wherein the application is associated with the slave and the filter table is provided for the slave, and wherein said detecting, evaluating, and making steps are performed by the slave, as claimed in the invention to optimize communication in a field bus system and between the communication participants connected to the field bus system, while utilizing the possibilities of cross-terminal traffic (see Remarks, pages 10-11 and see Specification, Object and Summary of the Invention).


4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Examiner's Amendment."

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quang N. Nguyen whose telephone number is (571) 272-3886.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia can be reached on (571) 272-3880. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


RUPAL DHARIA
SUPERVISORY PATENT EXAMINER